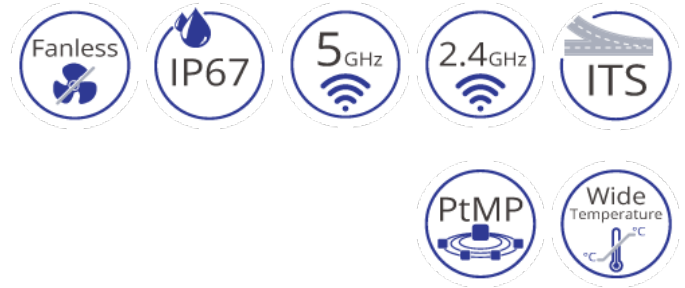


EW75000-08

Hardened IP67 Outdoor Wireless Access Point



Overview

The eWAV series is a family of hardened IP67 outdoor wireless access points (WAP) providing high-speed wireless connectivity for harsh and demanding environments. Comprised of high-power, long-range single and dual-band IEEE 802.11ac MIMO wireless radios with gigabit IEEE 802.3at PoE connectivity, the series is hardened against extreme temperatures and water ingress.

eWAV delivers the power and range (up to 20 miles) to wirelessly connect remote networks, or extend existing networks in an efficient and cost-effective way. It supports 5GHz 802.11a/n/ac for long-distance Point-to-Point and Point-to-Multi-Point connections with up to 867Mbps transmission speeds.

EtherWAN — "When Connectivity is Crucial."

Highlights

+ High Bandwidth Wireless Connectivity

Design for Point-to-Point and Point-to-Multipoint wireless backhaul applications
IEEE 802.11a/n/ac providing high throughput data transmission on 5GHz up to 866Mbps
IEEE 802.11b/g/n providing local access on 2.4GHz up to 300Mbps
2 x 2 MIMO antennas with high gains

+ Hardened Grade with IP67 Protection

Wide operating temperature range for extreme environments
Fanless and ruggedized outdoor IP67 enclosure

+ Comprehensive and Advanced Software Features

Static routing, RIP v1/v2 and OSPF v2
Built in Stateful Firewall and RADIUS for security control
RF strength LEDs and Bandwidth Tester to ease installation effort

Features

+ Interface

Web Browser

SNMP v1/v2/v3

+ Management

Firmware and configuration upgrade and backup via Web Browser

Supports DHCP Server/Client/Relay

DNS cache and Web Proxy

System health monitoring including temperature and voltage

Local system log, e-mail and remote log service

SNTP Client

Useful tools such as Bandwidth Test, E-mail, Ping, Traceroute, Packet Sniffer and Traffic Generator

+ Wireless

Encryption: WPA, WPA2, WEP, AES

Dynamic Frequency selection

Proprietary Nstreme and Nv2 protocols for long distance transmission

+ Routing

Static routing, RIP v1/v2 and OSPF v2

Bidirectional Forwarding Detection

Prefix List to filter and control the routing

table

+ Security

RADIUS client

Powerful Firewall

Stateful packet inspection

Layer-7 protocol detection

Peer-to-peer protocols filtering

Traffic classification by:

1. Source MAC address
2. IP addresses (Network or List) and address types (Broadcast, Local, Multicast, Unicast)
3. Port or port range
4. IP protocols
5. Protocol options (ICMP type and code fields, TCP flags, IP options and MSS)
6. Interface the packet arrived from or left through
7. Internal flow and connection marks
8. DSCP byte
9. Packet content
10. Rate at which packets arrive and sequence numbers
11. Packet size
12. Packet arrival time

Specifications

+ Technology

Standards

IEEE 802.3 10BASE-T
 IEEE 802.3u 100BASE-TX
 IEEE 802.3ab 1000BASE-T
 IEEE 802.11a/n/ac Wireless LAN

Performance

Wireless transmission rate 5GHz: 11a: 108Mbps, 11n: 300Mbps, 11ac: 866Mbps
 2.4GHz: 11b: 22Mbps, 11g: 108Mbps, 11n: 300Mbps
 Ethernet data rate
 Up to 540Mbps (LAN to wireless 11ac)

Wireless

RF channels
 Non-overlapping
 Frequency range
 5GHz: 5150-5250MHz and 5725-5850MHz
 2.4GHz: 2412-2462MHz
 Channel width
 5GHz: 10MHz, 20MHz, 40MHz, 80MHz
 2.4GHz: 5MHz, 10MHz, 20MHz, 40MHz
 Data security
 256-bit AES-CCM

+ Physical

Casing

Aluminum Case
 IP67

Dimensions

EW75200-0804: 270 x 765 x 76mm (W x H x D)
 (10.63" x 30.12" x 3")
 EW75200-1304, EW75000-08: 270 x 565 x 76mm
 (10.63" x 22.25" x 3")

Weight

EW75000-08: 3.5lbs.
 EW75200-0804: 4.5lbs.
 EW75200-1304: 4.2lbs.

Installation Type

Wall or Pole Mounting

+ Environmental

Operating Temperature

-40 to 75°C (-40 to 167°F)

Storage Temperature

-45 to 85°C (-49 to 185°F)

Ambient Relative Humidity

5% to 95% (non-condensing)

+ Regulatory

ISO

Manufactured in an ISO 9001 facility

EMI

FCC Part 15B Class A
 FCC Part 15C

Environmental Test Compliance

IEC 60068-2-6 Fc (Vibration Resistance)
 FED STD 101C Method 5007.1 (Free fall w/package)

+ Power

Input

48VDC PoE Including Passive PoE, Telecom PoE,
 802.3af and 802.3at

Power Consumption

13W Max.

+ Interface

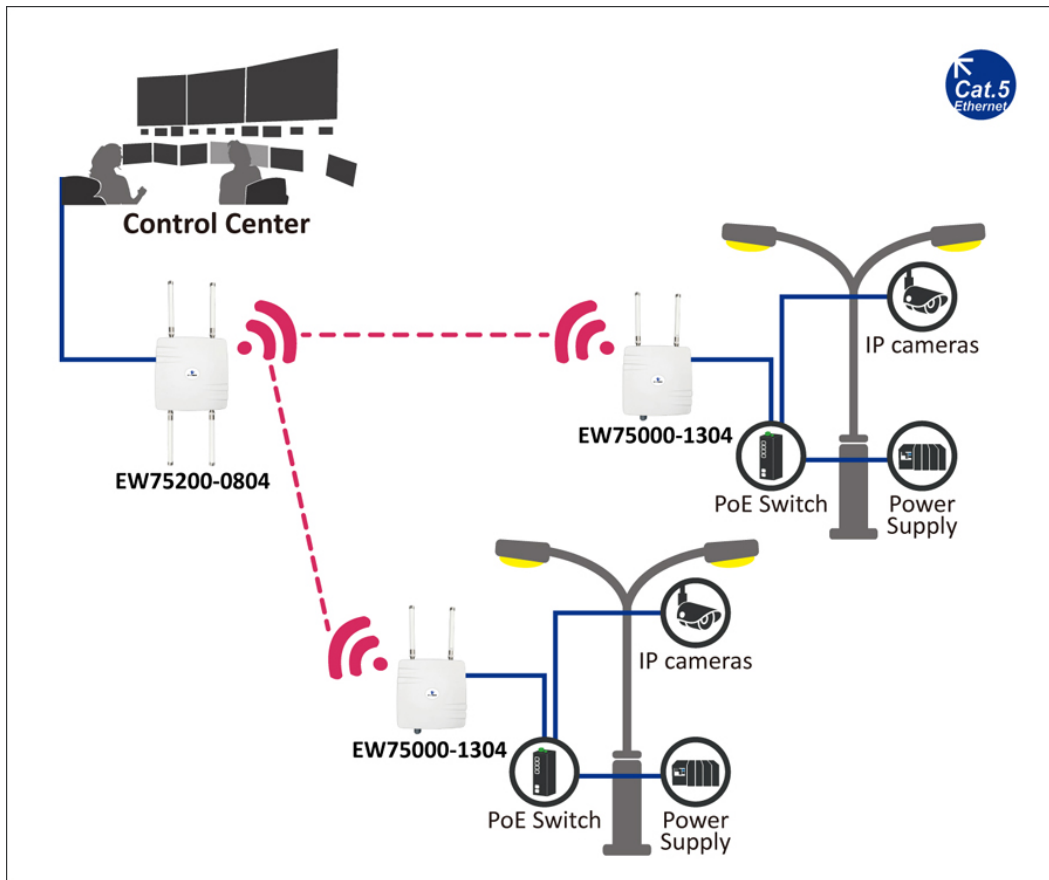
Ethernet Port

10/100/1000BASE-TX PoE

LED Indicators



Application



Ordering Info

+ Model

EW75000-08	Hardened IP67 outdoor wireless access point with 5GHz/8dBi Omni antenna
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+ Accessories

EW-JPole18	18" Wall Mount J-Pole
Cable 25	25' Shielded Twisted Pair CAT 6 Cable with UV Resistant Coating
Cable 50	50' Shielded Twisted Pair CAT 6 Cable with UV Resistant Coating
Cable 150	150' Shielded Twisted Pair CAT 6 Cable with UV Resistant Coating
Cable 300	330' Shielded Twisted Pair CAT 6 Cable with UV Resistant Coating



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EtherWAN is constantly developing and improving products. Specifications are subject to change without notice and without incurring any obligation.